

Practice: 315 - Herbaceous Weed Control**Scenario: #2 - Mechanical****Scenario Description:**

Removal of herbaceous weeds of light infestations on gentle sloping to moderately deep to deep soils. The practice entails the removal of herbaceous weeds by the use of mower, brush hog, disc or other light equipment in order to reduce fuel loading and improve ecological site condition. Weed has exceeded desired levels based on ecological site potential. Typical unit is 10 acres.

Associated Practices: Brush Management (314), Conservation Cover (327), Critical Area Planting (342), Upland Wildlife Habitat Management (645), Early Successional Habitat Development/Management (647), Prescribed Grazing (528), Forage and Biomass Planting (512).

Before Situation:

Area consist of excessive stands of herbaceous weeds degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation:

Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 10

Scenario Cost: \$1,370.66

Scenario Cost/Unit: \$137.07

Cost Details (by category):

| Component Name | ID | Component Description | Unit | Price (\$/unit) | Quantity | Cost |
|-------------------------------|------|---|------|-----------------|----------|----------|
| Equipment/Installation | | | | | | |
| Mower, Bush Hog | 940 | Equipment and power unit costs. Labor not included. | Hour | \$57.92 | 10 | \$579.20 |
| Truck, Pickup | 939 | Equipment and power unit costs. Labor not included. | Hour | \$42.39 | 4 | \$169.56 |
| Labor | | | | | | |
| Equipment Operators, Light | 232 | Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers | Hour | \$22.97 | 10 | \$229.70 |
| Mobilization | | | | | | |
| Mobilization, small equipment | 1138 | Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds. | Each | \$196.10 | 2 | \$392.20 |

Practice: 315 - Herbaceous Weed Control**Scenario: #3 - Chemical, Spot****Scenario Description:**

Land unit on which weed control would be beneficial in order to set back the plant community succession, improve the ecological condition, and improve forage conditions for domestic livestock or wildlife. The practice entails the eradication of vegetation by use of weed treatment, either initial or retreatment using hand-carried equipment (such as a backpack and hand-sprayer) to apply chemicals, in order to eliminate noxious weeds, promote forage productivity, and improve ecological condition. Typical unit is 20 acres.

Associated Practices: Brush Management (314), Conservation Cover (327), Critical Area Planting (342), Upland Wildlife Habitat Management (645), Early Successional Habitat Development/Management (647), Prescribed Grazing (528), Forage and Biomass Planting (512)

Before Situation:

Area consist of excessive stands of herbaceous weeds degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation:

Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 20

Scenario Cost: \$1,674.74

Scenario Cost/Unit: \$83.74

Cost Details (by category):

| Component Name | ID | Component Description | Unit | Price (\$/unit) | Quantity | Cost |
|---|-----|--|------|-----------------|----------|------------|
| Equipment/Installation | | | | | | |
| All terrain vehicles, ATV | 965 | Includes equipment, power unit and labor costs. | Hour | \$34.94 | 5 | \$174.70 |
| Chemical, spot treatment, single stem application | 964 | Ground applied chemical to individual plants or group of plants, e.g., backpack sprayer treatment. Equipment and labor cost included. | Hour | \$64.76 | 20 | \$1,295.20 |
| Truck, Pickup | 939 | Equipment and power unit costs. Labor not included. | Hour | \$42.39 | 2 | \$84.78 |
| Labor | | | | | | |
| Supervisor or Manager | 234 | Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc. | Hour | \$41.91 | 1 | \$41.91 |
| Materials | | | | | | |
| Herbicide, Glyphosate | 334 | A broad-spectrum, non-selective systemic herbicide. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$15.63 | 5 | \$78.15 |

Practice: 315 - Herbaceous Weed Control**Scenario: #4 - Chemical, Ground****Scenario Description:**

Land unit on which weed control would be beneficial in order to set back the plant community succession, improve the ecological condition, and improve forage conditions for domestic livestock or wildlife. The practice entails the eradication of vegetation by use of weed treatment using ground equipment to apply chemicals, in order to eliminate noxious weeds, promote forage productivity, and improve ecological condition. Typical unit is 20 acres.

Associated Practices: Brush

Management (314), Conservation Cover (327), Critical Area Planting (342), Upland Wildlife Habitat Management (645), Early Successional Habitat Development/Management (647), Prescribed Grazing (528), Forage and Biomass Planting (512)

Before Situation:

Area consist of excessive stands of herbaceous weeds degrading health and vigor of native herbaceous species promoting noxious and invasive species and degrading wildlife habitat.

After Situation:

Herbaceous weeds are removed to achieve the desirable plant community based on species composition, structure, density, and canopy cover or height. Ecological site condition is progressing in an upward trend, hydrology and plant health and vigor is returning to near normal levels, and improved wildlife habitat.

Scenario Feature Measure: Acres treated

Scenario Unit: Acre

Scenario Typical Size: 20

Scenario Cost: \$686.60

Scenario Cost/Unit: \$34.33

Cost Details (by category):

| Component Name | ID | Component Description | Unit | Price (\$/unit) | Quantity | Cost |
|-------------------------------|------|--|------|-----------------|----------|----------|
| Equipment/Installation | | | | | | |
| Chemical, ground application | 948 | Chemical application performed by ground equipment. Includes equipment, power unit and labor costs. | Acre | \$6.62 | 20 | \$132.40 |
| Materials | | | | | | |
| Herbicide, Surfactant | 1095 | Surfactants reduce the surface tension of water to produce more uniform coverage and penetration of herbicides, and weed killers. Paraffin Based Petroleum Surfactant. Refer to WIN-PST for product names and active ingredients. Includes materials and shi | Acre | \$1.32 | 20 | \$26.40 |
| Herbicide, 2,4-D | 330 | Broadleaf herbicide labeled for cropland and pasture. Refer to WIN-PST for product names and active ingredients. Includes materials and shipping only. | Acre | \$6.78 | 20 | \$135.60 |
| Mobilization | | | | | | |
| Mobilization, small equipment | 1138 | Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds. | Each | \$196.10 | 2 | \$392.20 |